

AMENDMENTS TO THE CLAIMS

1. (Canceled)

2. (Previously Presented) A mobile station of which communicates with a base station by using a direct sequence system, comprising:

a special call part configured to request initiation of a special call;

a mobile station side transmission part configured to, in response to a request from the special call part, generate a special radio wave signal of high power spectrum density and transmit it to the base station; and

a spread modulation part configured to perform spread modulation of an information signal, wherein

the mobile station side transmission part generates the special radio wave signal to be of high power spectrum density by bypassing the spread modulation part.

3. (Previously Presented) A mobile station which communicates with a base station by using a direct sequence system, comprising:

a special call part configured to request initiation of a special call; and

a mobile station side transmission part configured to, in response to a request from the special call part, generate a special radio wave signal of high power spectrum density and transmit it to the base station, wherein

the mobile station side transmission part includes a special code generation part to generate a special code of a direct-current component, and a spread modulation part to perform spread modulation of an information signal by using the special code generated by the special code generation part, and

the mobile station side transmission part generates the special radio wave signal of high power spectrum density by performing spread modulation of the information signal by using the special code of the direct-current component.

4. (Previously Presented) The mobile station of claim 2 further including a communication control part to restrict a bit rate of the information signal to be low when the mobile station side transmission part generates the special radio wave signal, in order to increase power spectrum density of the special radio wave signal by restricting the bit rate to be low.

5. (Previously Presented) The mobile station of claim 2, wherein
the mobile station side transmission part performs communication by using the special radio wave signal until a session with the base station is established.

6. (Currently Amended) A mobile station which communicates with a base station by using a direct sequence system, comprising:

a special call part configured to request initiation of a special call; and

a mobile station side transmission part configured to, in response to the request from the special call part, switch from a mode of generating a normal spread modulation signal for the direct sequence system to a mode of generating a special radio wave signal of higher power spectrum density than the normal spread modulation signal, and transmit the special radio wave signal to the base station, wherein

the mobile station side transmission part generates the special radio wave signal of same power as power used in generating the normal spread modulation signal for the direct sequence system, and of a narrower band than a band used in generating the normal spread modulation signal for the direct sequence system.

7. (Currently Amended) A communication control method performed by a mobile station side to communicate with a base station by using a direct sequence system, comprising:

requesting initiation of a special call; and

in response to the request for initiation of the special call, switching from a mode of generating a normal spread modulation signal for the direct sequence system to a mode of generating a special radio wave signal of higher power spectrum density than the normal spread modulation signal, and transmitting the special radio wave signal to the base station, wherein

the special radio wave signal is generated of same power as power used in generating the normal spread modulation signal for the direct sequence system, and of a narrower band than a band used in generating the normal spread modulation signal for the direct sequence system.

8. (Currently Amended) A base station which communicates with a plurality of mobile stations by using a direct sequence system, comprising:

a base station side reception part configured to receive a normal spread modulation signal used in the direct sequence system and a special radio wave signal of high power spectrum density from the plurality of mobile stations, the special radio wave signal being generated of same power as power used in generating the normal spread modulation signal for the direct sequence system, and of a narrower band than a band used in generating the normal spread modulation signal for the direct sequence system;

a detection part configured to detect whether the base station side reception part received the special radio wave signal, and switch modes of extracting information in response to the detection; and

a base station side transmission part configured to transmit an assignment signal for assigning a channel to a mobile station which had transmitted the special radio wave signal detected by the detection part.

9-10. (Canceled)

11. (Currently Amended) A communication system where a base station and a plurality of mobile stations communicate using a direct sequence system, comprising:

the plurality of mobile stations, each including

a special call part configured to request initiation of a special call, and

a mobile station side transmission part configured to, in response to a request from the special call part, switch from a mode of generating a normal spread modulation signal for the direct sequence system to a mode of generating e-a special radio wave signal of higher power spectrum density than the normal spread modulation signal, and transmit the special radio wave

signal ~~it~~ to the base station, wherein the mobile station side transmission part generates the special radio wave signal of same power as power used in generating the normal spread modulation signal for the direct sequence system, and of a narrower band than a band used in generating the normal spread modulation signal for the direct sequence system; and

the base station including:

a base station side reception part configured to receive the special radio wave signal of high power spectrum density from the plurality of mobile stations,

a detection part configured to detect whether the base station side reception part received the special radio wave signal, and

a base station side transmission part configured to transmit an assignment signal for assigning a channel to a mobile station which had transmitted the special radio wave signal detected by the detection part.

12. (Currently Amended) A computer-readable medium on which is embodied a communication control program having computer executable instructions for causing a mobile station side to communicate with a base station by using a direct sequence system, comprising instructions for:

requesting initiation of a special call; and

in response to the request for initiation of the special call, switching from a mode of generating a normal spread modulation signal for the direct sequence system to a mode of generating a special radio wave signal of higher power spectrum density than the normal spread modulation signal, and transmitting the special radio wave signal ~~it~~ to the base station, wherein

the special radio wave signal is generated of same power as power used in generating the normal spread modulation signal for the direct sequence system, and of a narrower band than a band used in generating the normal spread modulation signal for the direct sequence system.

13. (Currently Amended) A computer-readable medium on which is embodied a communication control program having computer executable instructions for causing a base station side to communicate with a plurality of mobile stations by using a direct sequence system, comprising instructions for:

receiving a normal spread modulation signal used in the direct sequence system and a special radio wave signal of high power spectrum density from the plurality of mobile stations, the special radio wave signal being generated of same power as power used in generating the normal spread modulation signal for the direct sequence system, and of a narrower band than a band used in generating the normal spread modulation signal for the direct sequence system;

detecting whether the special radio wave signal was received, and switching modes of extracting information in response to the detection; and

transmitting an assignment signal for assigning a channel to a mobile station which had transmitted the special radio wave signal detected.

14. (Previously Presented) The mobile station of claim 3, further including a communication control part configured to restrict a bit rate of the information signal to be low when the mobile station side transmission part generates the special radio wave signal, in order to increase power spectrum density of the special radio wave signal by restricting the bit rate to be low.

15. (Previously Presented) The mobile station of claim 3, wherein
the mobile station side transmission part performs communication by using the special radio wave signal until a session with the base station is established.

16. (Previously Presented) The mobile station of claim 6, wherein
the mobile station side transmission part performs communication by using the special radio wave signal until a session with the base station is established.